

Remarks/Arguments

The Office Action dated August 23 2005 has been received and carefully studied.

The Examiner objects to the abstract and suggests several changes. By way of the above amendment to the specification, this objection has been addressed as suggested by the Examiner.

The Examiner objects to claim 1-8 because of various informalities. By way of the above amendment to the claims, these objections have been addressed as suggested by the Examiner. Claims 5 and 8 have been rewritten in proper multiple dependent form.

The Examiner rejects claims 1-4, 6 and 7 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as his invention. By way of the above amendments to the claims, the phrase "of said alternating current" has been added to specifically identify the component to which the phrase "periods or half periods" refers.

The Examiner rejects claim 2 under 35 U.S.C. 102(b) as being anticipated by Dirr (U.S. Patent No. 4,947,483). The Examiner states that Dirr discloses a process for the encoding of digitized information, characterized in that the digitization takes place through the length, number, time, or phase position of periods or half periods of an alternating current of the same frequency and phase position, where the same size is always assigned to the code words and, at the end, at the beginning, or between code words, analog periods or half periods of the same frequency and phase position are provided, wherein the analog periods are provided between the

digital code in the same alternating current through the multiplexer.

The applicant has amended claim 2 to be dependent on claim 1, thereby adding the limitations of claim 1 into claim 2. Since claim 1 is not anticipated or obvious, it is believed that claim 2 is now in condition for allowance.

The Examiner rejects claim 4 under 35 U.S.C. §102(b) as being anticipated by Dirr (U.S. Patent No. 4,731,798). The Examiner states that Dirr discloses a process for the transmission of analog information of several channels, characterized in that the PAM samples are coded with the periods or half periods and, namely, with the amplitudes of an alternating current of the same frequency and phase position, sampled in a time multiplexed manner, and transmitted in series in an uninterrupted sequence.

The applicant has amended claim 4 to be dependent on claim 1, thereby adding the limitations of claim 1 into claim 4. Since claim 1 is not anticipated or obvious, it is believed that claim 4 is now in condition for allowance.

The above amendments are believed to address all of the Examiner's objections and to place all claims in condition for allowance. Therefore, allowance is kindly requested in view of the foregoing.

Respectfully submitted,



Robert C. Frame

Reg. No. 54,104

176 E. Main Street-Suite 7

Westboro, Massachusetts 01581

TEL: (508) 898-1818